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INFORMATION DISCLOSURE

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| Application Number | 09/683,548 | | | | |
| Filing Date | 01/16/2002 | | | | |
| First Named Inventor | John Austin Burns | | | | |
| Group Art Unit | 1638 | | | | |
| Examiner Name | Unknown | | | | |
| Attorney Docket Number | 38-21(51450) | | | | |

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| | | | | U.S. PATENT DOC | UMENTS | | | | | |
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| Initials | No.1 | Number | Kind Code ² (if known) | of Cited Document | Cited Document MM-DD-YYYY | Passages or Relevant Figures Appear | | | | |
| 1 | A1 | 5,164,310 | | Smith R et al | 11/17/1992 | | | | | |
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| Initials* | No.1 | Office ³ | Number ⁴ | (if known) | Applicant of Cited Document | MM-DD-YYYY | Passages or Relevant Figures Appear | Îε |
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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Filing Date 09/683,548

Filing Date 01/16/2002

First Named Inventor John Austin Burns

Group Art Unit 1638

Examiner Name Unknown

Sheet 1 of 2 Examiner Name Unknown

Attorney Docket Number 38-21(51450) MAR 0 4 2002

| | | OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS H CENTER 1600 |)/29T |
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| Examiner Cite item (book, magazine, journal, s | | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| AGRAWAL D ET AL, "In vitro induction of multiple shoots and plant regeneration in cotton (Gossypium hirsutum L.)," Plant Cell Reports, 16:647-52, (1997). | | | |
| | C2 | ARTECA R, "Manipulation of growth and photosynthetic processes," Plant growth substances: principles and applications, Chapman & Hall (New York), p. 247-48, (1996). | |
| | C3 | BAJAJ AND GILL, "Micropropagation and germplasm preservation of cotton (Gossypium spp.) through shoot tip and meristem culture," Indian J of Experimental Biology, 24:581-83, (1986). | |
| | C4 | BAJAJ Y.P.S., "Micropropagation and the conservation of germplasm of cotton," Biotechnology in Agriculture and Forestry 42, Springer-Verlag (New York), p. 60-67, (1998). | |
| | C5 | CHOUDHURY AND GUPTA, "Effect of dikegulac on biomass and alkaloid production in Catharanthus roseus (L) G. Don under in vitro condition'," Indian J of Experimental Biology, 37:594-98, (1999). | |
| | C6 | GEORGE E, "Compounds which can arrest apical growth," Plant Propagation by Tissue Culture, 2nd ed., Exegetics Ltd (England), p. 469, (1993). | |
| | C7 | GOULD JET AL, "Regeneration of Gossypium hirsutum and G. barbadense from shoot apex tissues for transformation," Plant Cell Reports, 10:12-16, (1991). | |
| | C8 | GUPTA S ET AL, "In vitro proliferation of shoots and regeneration of cotton," Plant Cell, Tissue and Organ Culture, 51:149-52, (1997). | |
| | C9 | HEMPHILL J ET AL, "Rapid in vitro plant regeneration of cotton (Gossypium hirsutum L.)," Plant Cell Reports, Springer-Verlag, 17:273-78, (1998). | |
| | C10 | MCCABE AND MARTINELL, "Transformation of elite cotton cultivars via particle bombardment of meristems," Bio/Technology, 11:596-98, (1993). | |
| | | MORRE J ET AL, "Multiple shoot inductioon and plant regeneration from embryonic axes of cotton," Plant Cell, Tissue and Organ Culture, 54:131-36, (1998). | |

Examiner Signature Date Considered 11 20 0 2

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| First Named Inventor | John Aust Diums - / - | | | | | | |
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| Examiner Name | Unknown LAD 0 4 2002 | | | | | | |
| Attorney Docket Number | Unknown MAR 0 4 2902 | | | | | | |

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| | • | OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS | 7 |
| Examiner Cite No. | | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² |
| | C12 | SAEED N ET AL, "A simple procedure of Gossypium meristem shoot tip culture," Plant Cell, Tissue and Organ Culture, 51:201-07, (1997). | |
| | C13 | SNIR I, "In vitro micropropagation of sweet cherry cultivars," Proc. 5th Intl. Cong. Plant Tissue & Cell Culture: Plant Tissue Culture, p. 735-36, (1982). | |
| | C14 | ULIAN E ET AL, "Transformation of plants via the shoot apex," In vitro Cellular and Developmental Biology, 21(9):951-54, (1988). | |
| | C15 | ZAPATA C ET AL, "Improvements in shoot apex regeneration of two fiber crops: cotton and kenaf," Plant Cell, Tissue and Organ Culture, 56:185-91, (1999). | |
| | C16 | ZAPATA C ET AL, "Transformation of a Texas cotton cultivar by using Agrobacterium and the shoot apex," Theor. Appl. Genet., 98:252-56, (1999). | |
| | C17 | ZILKAH AND GRESSEL, "Cell cultures vs. whole plants for measuring phytotoxicity. I. The establishment and growth of callus and suspension cultures; definition of factors affecting toxicity on calli," Plant & Cell Physiol., 18:641-55, (1977). | |
| | C18 | ZILKAH S ET AL, "Cell cultures vs. whole plants for measuring phytotoxicity. II. Correlations between phytotoxicity in seedlings and calli," Plant & Cell Physiol., 18:657-70, (1977). | |
| | | ZILKAH AND GRESSEL, "Cell cultures vs. whole plants for measuring phytotoxicity. III. Correlations between phytotoxicities in cell suspension cultures, calli and seedlings," Plant & Cell Physiol., 18:815-20, (1977). | |
| | | ZILKAH AND GRESSEL, "Differential inhibition by dikegulac of dividing and stationary cells in in vitro cultures," Planta, 142:281-285, (1978). | |
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